Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_\_\_\_

Conversions with Scientific Notation: Homework

***Directions***: Tell whether each number is written correctly in scientific notation. If it is incorrectly written, **state the reason**.

1. The length of a common gnat is about 0.003 ∙ 103 millimeters.
2. Philadelphia is about 35.39 ∙ 102 miles from London.
3. Leap year happens every 1.46 ∙ 103 days.
4. The length of a saltwater crocodile is about 1.7 ∙ 101 feet.

***Directions:*** Write each number in scientific notation.

1. 6214.3
2. 21560000
3. 37040000000000
4. 351244.2
5. 12000000
6. 478965000

***Directions:*** Write each number in standard form.

1. 4.78 ∙ 105

1. 2 ∙ 103

1. 9.12 ∙ 109
2. 8.3 ∙ 102
3. 7.4568 ∙ 105
4. 5.333 ∙ 101
5. 4.12379 ∙ 100
6. 6.913 ∙ 102